

DVI PRODUCTION SRL

(ISO – QSCert – 14001)

(ISO – QSCert – 9001)

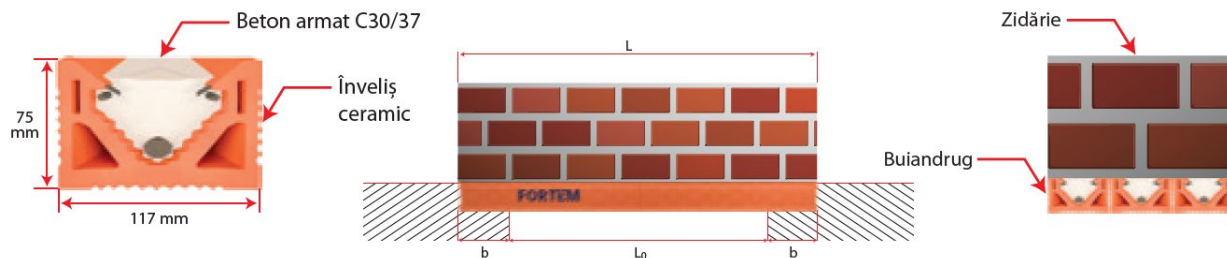
DECLARATION OF PERFORMANCE

In accordance with (EU) Regulation 305/2011(CPR) of the European Parliament and of the Council of the European Community



REINFORCED CONCRETE MASONRY LINTELS IN CERAMIC FORMWORK

Manufacturer:	DVI PRODUCTION SRL Tax identification no.: 36569865; Registration number: J15/997/2016 Address: Parc Industrial Mija, DN 72, comuna I.L. Caragiale, Pavilion C 35, Târgoviste, jud. Dâmbovita, ROMANIA <i>(Mija Industrial Park, DN 72, I.L. Caragiale commune, C35 Pavilion, Târgoviste, Dâmbovita county, ROMANIA)</i>	
Place of production:	DVI Production Factory Address: Mija Industrial Park, DN72, Com. I. L. Caragiale, Dâmbovita County, ROMANIA <i>(Mija Industrial Park, DN 72, I.L. Caragiale commune, Dâmbovita county, ROMANIA)</i>	
Product description:	Fortem lintel 117 x 75 mm masonry, made of reinforced concrete in ceramic formwork	
Product identification code:	FORTEM 117 x 75mm	
Intended use:	Masonry lintel, made of reinforced concrete in ceramic formwork, intended for use in walls and partition walls to support loads above openings in masonry walls	
Harmonized reference standard for declared performance:	SR EN 845-2+A1:2016	
Year of application of CE marking:	2017	
The system of evaluation and control of constant performance:	System 3	
Certified Quality Management System:	ISO 9001:2015 Certificate No. Q - 8801/17 issued by the Certification Body QSCert No. S 3177	
Notified Laboratory that performed the Initial Type Tests:	BUILDING RESEARCH INSTITUTE NISI Laboratory Notified by the European Commission NB 2032 Address: Blvd. Nikola Petkov, nr. 85, cod 1618, Sofia, BULGARIA <i>(85 Nikola Petkov Blvd., code 1618, Sofia, BULGARIA)</i> Website: www.nisi.bg	
Identification number of Reports (Initial Type Tests etc.):	ITT - 17.11./25.04.2017 294-2-8/02.05.2017 293--209/18.04.2017 PTD-17.45/03.10.2017 PTD-17.46/03.10.2017 PTD-17.47/03.10.2017 PTD-17.48 /03.10.2017	PTD-17.49 /03.10.2017 PTD-17.50 /03.10.2017 PTD -19.2/ 10.06.2019 294-2-8/20.10.2017 293-1-209/18.04.2017 821-2-21/06.11.2017
Person in charge on behalf of the Manufacturer:	General Manager / Viorel Iacob	



(beton armat - reinforced concrete; invelis ceramic - ceramic coating; zidarie – masonry; buiandrug – lintel)

L - lintel length

$b \geq 250$ mm - minimum distance for placing (laying) the lintel

L_0 - free opening

INFORMATION ON DECLARED PRODUCT PERFORMANCE

Main characteristics	Declared performance
Dimensions - Width x Height (mm):	117mm x 75mm
Dimensions - Length I (mm):	from 1000mm to 3250mm, 250mm module (according to table)
Characteristic permissible load (kN/m):	from 36.7 kN/m to 0.97 kN/m (according to table)
Type of lintel:	simple
Failure mode:	bending compression
Minimum embedment length b (mm):	250mm, on each support
Displacement under load (short-term deflection)-(mm):	from 2.7mm to 10.9mm according to table
Water absorption (kg/m ² .min):	0.4
Water vapour permeability:	5/10
Linear mass of lintel (kg/ml):	15.5
Thermal resistance (thermal conductivity λ_{dry} - W / m K; according to EN 1745):	0.58
Fire resistance:	NPD (no performance determined)
Durability (resistance to reinforcement corrosion):	D.4.
Durability (resistance to freeze-thaw):	resistant
Concrete strength class:	C30/37
Hazardous substances:	not applicable
Geometric configuration:	according to drawing
Plastering of lintel with cement mortar or cement lime:	required
Barrier layer against humidity:	not necessary
Instructions for laying:	The lintels are placed on a bed of masonry mortar with the minimum strength class according to the project specifications, the execution following the specific rules of masonry works. For lintel lengths $L \geq 1.00$ m, 1 support point will be provided and respectively 2 support points at lengths of 3.00 m, arranged at equal distances from each other.

Table of declared mechanical resistance and stability performances	Lintel 117 mm x 75 mm									
	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250
Lintel length I (mm)	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250
Characteristic allowable load (kN/m)	36,7	15,43	8,05	4,52	3,1	1,9	1,4	1,04	1	0,97
Displacement under load (deflection)-(mm)	2,7	3,3	3,5	3,4	3,4	5	6	7,1	7,8	10,9
Mass per unit area of the lintel (kg/m ²)	202,35	207,12	208,26	205,01	204,68	210,39	206,63	201,63	205,66	208

The capacities declared in the table correspond to minimum embedment lengths of 250 mm on each support, without support points on the free opening.

By this Declaration of Performance, I declare that the product identified above presents the performance parameters specified herein, in accordance with the harmonized standard SR EN 845-2+A1:2016.

The Declaration of Performance is issued under the sole responsibility of the Manufacturer specified in the Declaration, according to conformity system 3 and in accordance with (EU) Regulation 305/2011(CPR) of the European Parliament and of the Council of the European Community.

Signed for and on behalf of the manufacturer by:

Position: General Manager

Signature: *(illegible signature)*

Name: Viorel Iacob

Date: 11.09.2019

DVI Production SRL | Parcul Industrial Mija, Judetul Dâmbovita (*Mija Industrial Park, Dâmbovita county*) | Tel./Fax: 0345 524 893 | e-mail: office@fortem.ro

The undersigned TOMA ALEXANDRA-NICOLETA, certified interpreter and translator for the foreign language English, within the meaning of authorization no. 38050 as of January 22nd, 2016, issued by the Ministry of Justice of Romania, certify the accuracy of the translation from ROMANIAN into ENGLISH, that the presented text was fully translated, without omissions, and that, by the translation, the content and the meaning of the document have not been distorted.

SWORN INTERPRETER AND TRANSLATOR

